

IN THE CLAIMS:

Please cancel claims 5-6 without prejudice, amend claims 1 and 3 as follows:

1. (Currently Amended) A peripheral or memory device having a bus, and a bus switching circuit that comprises:

a first bus decoder circuit coupled to the bus for decoding signals in a first format;

a second bus decoder circuit coupled to the bus for decoding signals in a second format;

a first bus snoop circuit coupled to the bus;

a second bus snoop circuit coupled to the bus;

a switch coupled to the first bus snoop circuit for receiving a first bus detect signal therefrom, and the switch coupled to the second bus snoop circuit for receiving a second bus detect signal therefrom;

wherein the switch is coupled to the first bus decoder circuit for providing a first bus enable signal thereto, and the switch is coupled to the second bus decoder circuit for providing a second bus enable signal thereto, depending on the nature of the first and second detect signals; [and

wherein the switch, the first bus snoop circuit and the second bus snoop circuit are separated from each other]

wherein the first bus decoder circuit is an ISA bus decoder circuit, and the second bus decoder circuit is an LPC bus decoder circuit; and

wherein the first and second bus snoop circuits generate the first and second bus detect signals, respectively, based on a series of I/O writes.

2. (Canceled).

3. (Currently Amended) A peripheral or memory device comprising:
a bus;
a micro-controller which generates a bus select signal selected by the micro-controller without receiving bus data from the bus; and
a bus switching circuit that comprises:
a first bus decoder circuit coupled to the bus for decoding signals in a first format;
a second bus decoder circuit coupled to the bus for decoding signals in a second format;
a switch coupled to the micro-controller for receiving a bus select signal therefrom; [[and]]
wherein the switch is coupled to the first bus decoder circuit for providing a first bus enable signal thereto, and the switch is coupled to the second bus decoder circuit for providing a second bus enable signal thereto, depending on the nature of the bus select signal; ~~and~~
~~wherein the first bus decoder circuit is an ISA bus decoder circuit, and the second bus decoder circuit is an LPC bus decoder circuit.~~

4-17. (Canceled).